Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/07/2019 11:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124232	-1	1.66	124301	1.67
Blue	F	SSC	125000	123268	-2	3.07	124101	3.03
Blue	E	FITC	16694	16479	-2	3.48	383	21.84
Blue	D	PE	32792	32154	-2	2.52	709	16.47
Blue	B	PerCP-Cy5-5	44451	44106	-1	4.37	1211	23.86
Blue	A	PE-Cy7	33645	33401	-1	6.98	607	49.78
Red	C	APC	47008	46736	-1	2.93	1804	13.35
Red	A	APC-Cy7	32298	31684	-2	2.8	799	14.4
Violet	B	V450	8961	8547	-5	4.67	563	13.79
Violet	A	V500	32726	31018	-6	4.4	765	11.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20442	4.77	609	-4	N/A	N/A	Pass
Blue	F	SSC	55717	2.47	580	12	N/A	N/A	Pass
Blue	E	FITC	63	75.85	567	4	0.0163	230	Pass
Blue	D	PE	141	56.18	571	5	0.1187	235	Pass
Blue	B	PerCP-Cy5-5	221	57.71	676	5	0.0067	33	Pass
Blue	A	PE-Cy7	116	125.45	731	5	0.0082	24	Pass
Red	C	APC	409	28.51	613	0	0.0192	114	Pass
Red	A	APC-Cy7	197	31.83	584	-1	0.0042	790	Pass
Violet	B	V450	114	44.34	481	-5	0.0320	1447	Pass
Violet	A	V500	116	36.72	491	-5	0.0187	977	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.60	-32.19	1.07
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	16.54	13.60 - 20.40	N/A	N/A	29.29	29.75	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13458

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments